

Amendments to the Specification

Please replace the title with the following amended title:

DIAGNOSTIC OPTICAL MEASURING SYSTEM FOR DIAGNOSING THE EAR
CONDITIONS

Please replace the paragraph extending between page 6, line 15 and page 7, line 15 with the following rewritten paragraph:

Referring now to FIG. 2 in which a device 20 in a form of an otoscope in accordance with one embodiment of the present invention is shown. The otoscope includes an elongated housing 22 having a substantially hollow interior and proximal and distal ends 21 and 23. The distal end 23 of the elongated housing 22 are provided with a substantially frusto-conically shaped inner tip housing 24, that can also serve for illuminating inside the ear, and that can further be accompanied by a speculum--a distal extension which is sized for positioning within an ear canal 2 undergoing diagnosis for sterility purposes. The device 20 is connected to means for illuminating 24. As shown in FIG. 2 the means for absorbing the reflected light from the ear ~~drum~~ drum. 11 can be situated inside the hollow interior of 24. In one embodiment of the present invention the means for illuminating the ear ~~drum~~ drum is a halogen lamp, wherein the luminescence reflected on the ear ~~drum~~ drum through the inner tip housing 24. Other illuminating means may be used. In one embodiment at least one optical fiber 11 is extended from the inner tip housing 24, through the elongated housing 22 and is fanned out in the proximal end 21. An electro-optical cable 25 is further connected to spectrometer 30 (FIG. 1). On the exterior of the elongated housing 22 may be provided a freeze button 27, which is connected to the processor 50 (FIG. 1), such that when the

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freeze button is pressed, it activates processor 50. In one embodiment of the present invention when the freeze button 27 is pressed, processor 50 obtains and analyzes one spectrum of reflected light provided at the time of activating. In another embodiment of the present invention when the freeze button 27 is pressed, processor 50 (FIG. 1) obtains and analyzes more than one spectrum of reflected light provided at the time of activating and at a followed period of time as been predefined. A device such as a freeze button need not be used.

Please replace the Abstract with a replacement Abstract submitted herewith on a separate sheet.